



IFWO

RAW SEQUENCE LISTING

DATE: 08/19/2004

PATENT APPLICATION: US/10/811,136B

TIME: 15:12:02

Input Set : A:\025CIP SEQ List ver3.txt
 Output Set: N:\CRF4\08192004\J811136B.raw

3 <110> APPLICANT: AviGenics, Inc
 5 <120> TITLE OF INVENTION: Production of a Transgenic Avian by Cytoplasmic Injection
 7 <130> FILE REFERENCE: AVI-025CIPPCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/811,136B
 C--> 9 <141> CURRENT FILING DATE: 2004-03-26
 9 <160> NUMBER OF SEQ ID NOS: 13
 11 <170> SOFTWARE: PatentIn version 3.2
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 6230
 15 <212> TYPE: DNA
 16 <213> ORGANISM: Artificial Sequence
 18 <220> FEATURE:
 19 <223> OTHER INFORMATION: Plasmid pCMV-31int
 21 <400> SEQUENCE: 1

ENTERED

22	cattcccat tcaggctcg	caactgttgg	gaaggggcgt	cggtgcgggc	ctttcgctta	60
24	ttacgcccac	caatacgaa	accgccttc	cccgccgtt	ggccgattca	120
26	atcgatccag	acatgataag	atacatgtat	gagtttggac	aaaccacaa	180
28	tgaaaaaat	gttttatttg	tgaatttgt	gatgctattt	cttattttgt	240
30	agctgcaata	aacaagttaa	caacaacaat	tgcatttcatt	ttatgtttca	300
32	gaggtgtggg	aggttttta	aagcaagtaa	aacctctaca	aatgtggat	360
34	gatcatgaac	agactgttag	gactgagggg	cctgaaatga	gccttggac	420
36	aaatacaca	acaatttagaa	tcactagtc	ctgtgtataa	tatttcata	480
38	agtaagcaaa	actctcaagc	agcaagcata	tgcagctagt	ttaacacatt	540
40	aaatttata	tttaccttag	agctttaat	ctctgttaggt	agtttgtcca	600
42	accacagaag	taaggttcct	tcacaaagat	cccaagctag	cttataatac	660
44	agggagagag	ctatgacgtc	gcatgcacgc	gtaagcttgg	gcccctcgag	720
46	gtctcgctac	gccgctacgt	cttccgtgcc	gtcctggcg	tcgttctcg	780
48	cgccggcttc	gcccacgtga	tgcagcgcg	cttctcgatg	ggcgccccct	840
50	cgtagtcac	ttcgtgacaa	cgatctgtc	tacgaagac	ccgacgaaca	900
52	gtctactgac	gcccgc	accacgactt	agggccggc	gggtcagcgt	960
54	ggggaa	ccat	tggtaaggg	gaagcttgg	ggtcaagtt	1020
56	cttccgc	ccttgcgtcc	ggagcgtcag	cgctgcctgt	tgttccgg	1080
58	gccaacgggt	ccgtcgta	cgccgtccgc	gcccgttgc	tacagcttca	1140
60	caggcgctcg	gcccgtccg	caacaagg	cgccgttgc	ccgcttctc	1200
62	agttagcttgc	ccgaacgtc	ggccggcttc	ccacagaac	gccaacgtct	1260
64	ttcggcg	ctgatcttgc	tgaagatgc	ttccgcac	aacttgtcga	1320
66	gctgacgttgc	cacgtgc	ctgtgc	agg	gtccgc	1380
68	acggcagcgg	taagagt	tgcatt	ttccgc	ccgtcg	1440
70	acactcg	cac	ccatggc	agaatgg	tgcgttgc	1500
72	gcccgc	ctgcgtcc	accacgc	aaacgc	ccgtcg	1560
74	cggtccg	caagctcg	ccggccgg	cgatcg	ttccgc	1620
76	ctcaatcttgc	gtggcg	tgccgtcc	tttcttcttgc	tagatcac	1680
78	gcccgc	ataacgc	cgatcg	ccgtcg	ccgtcg	1740

RAW SEQUENCE LISTING

DATE: 08/19/2004

PATENT APPLICATION: US/10/811,136B

TIME: 15:12:02

Input Set : A:\025CIP SEQ List ver3.txt

Output Set: N:\CRF4\08192004\J811136B.raw

80	agcggtcttc ttcccaatcg ttcgccccg ggtcgacg gctcagcgt ccatgcgtt	1800
82	acaaagcccc gtatgctgc cgggtgaat ggcggcttga ctgccccgt tgaaggaaag	1860
84	gtgtttgtgc gtcttgatct cacgccccca ccacccgatt acgtcggcgt cgaactcgaa	1920
86	gggtccggta aggggagtgg tcgagtgccg aagcttggg atgacgacat tgaccattcg	1980
88	gcccgtgcgtc gtatctccct tcgtctccga aacaagctcg aagccgtaa ggcgccttccc	2040
90	gcccacgtac ccgccccatt cgcgtgaag gttttcggt tcgagaatct tcgcccactt	2100
92	cagcgaagat ttttgtgcg acgcgtcgag ccgcataatc aggtgaatca ggtccatgac	2160
94	gttccctgc cggaaagacgc ttccctgagt gaaaaacaatc gtcacgcggc gggcgagcaa	2220
96	ttccgagaca atcgaatcg cgtccatgac ttccaggcgc gagaagcgcg acacgtcata	2280
98	gacaatgatc atgttggcc gcccggcgcg gcattcggtt aggtgcgtt cgaactccgg	2340
100	gctccggcc gtcggaaacg cgcgtgcg cggcgcttcg ctgaaatgcc cgacgaaacct	2400
102	gaaccggccc cgcgtgcgtc cgacttcgag ctgaaggctg gccgccttgc ttctcggttgc	2460
104	gctacgtgt gtcgtgggc ttgtcggtc cgaattctcg cgctcgccgc actgacggtc	2520
106	gtaagcaccg cgcgtacgtt ccacccggg cacaaccct tttgtcatgt cggcgaccct	2580
108	acgactagtg agctcgatcg cccggaaatt cgggaccgg acctgcaggc gtaccttcta	2640
110	tagtgcacc taaatagctt ttgtaaaag cctaggctag agtccggagg ctggatcggt	2700
112	cccggtgtct tctatggagg tcaaaacacgc gtggatggcg tctccaggcg atctgacggt	2760
114	tcaactaaacg agctctgtt atatagaccc cccaccgtac acgcctacccg cccatttgcg	2820
116	tcaatggggc ggagtgttgcgacat cggatcccg ttgatcccg tgccaaacaa	2880
118	aactcccatt gacgtcaatcg ggggtggagac ttggaaatcc ccgtgagtca aaccgctatc	2940
120	cacgcccatt gatgtactgc caaaacccgc tcaccatggg aatagcgatg actaataacgt	3000
122	agatgtactg ccaagttagga aagtccata aggtcatgtt ctgggcataa tgccaggcg	3060
124	gccatttacc gtcattgcgtc tcaatagggg gctacttgg catatgatac acttgatgt	3120
126	ctgccaagtgc ggcagtttac cgtaaataact ccaccattgc acgtcaatgg aaagtcccta	3180
128	ttggcggttac tatgggaaca tacgtcatta ttgacgtca tgggggggg tctggggcg	3240
130	gtcagccagg cggggccattt accgtaaatgtt atgtacgcgtc ctgcacgtatcg tgggttccgt	3300
132	tgtggaaattt ttatccgc tcaatccac acattatacg agccggaaacg tataaaatgt	3360
134	aaaggctggg gtgcctaattcg agtggaaaggc cctcgatatac gccttattttt ataggttaat	3420
136	gtcatgataa taatggtttcc tttagacgtca ggtggactt ttccggaaa tttgtcgccg	3480
138	acccttattt gtttattttt ctaataatcat tcaaatatgtt atccgtcat gagacaataa	3540
140	ccctgataaaa tgcttcaata atattggaaa acgcgcgaat tgcaagctt gcattaatga	3600
142	atcgccaaac ggcggggggagg aggccgtttt cgtattgggc gctctccgc ttccctcg	3660
144	actgactcgcc tgcgtcggtt cgttcggctg cggcgagccg tatcagctca ctcaaaaggcg	3720
146	gtaatacggt tatccacaga atcaggggat aacgcaggaa agaacatgtg agcaaaaggc	3780
148	cagcaaaaagg ccaggaaccc taaaaaggcc gcgttgcgtt cgttttccaa taggctccgc	3840
150	ccccctgcgtc agcatcacaa aaatcgacgc tcaagtccaa ggtggcgaaa cccgacagga	3900
152	ctataaaagat accaggcggtt tccccctggaa agctccctcg tgcgtctcc tgggtccgacc	3960
154	ctgcccgttcccgatccctt gtcggccctt ctccttcgg gaagcggttgc gctttctcaa	4020
156	tgctcacgtc ttaggtatct cagtcgggtt taggtcggtt gctccaaatgc gggctgtgt	4080
158	cacgaaacccccc cgcgtcgatcccg ccggccgtcc gccttattccg gtaactatcg tcttggatcc	4140
160	aacccggtaa gacacgactt atcggccactg gcagcggcca ctggtaacag gattagcaga	4200
162	gcgagggtatg taggcgggtc tacagagttt ttgaagggtt ggcctaaacta cggctacact	4260
164	agaaggacag tattttggat ctgcgtctg ctgaaggccat ttacccgtt aaaaaagatgtt	4320
166	ggtagctttt gatccggcaa acaaaccacc gctggtagcc gttttttttt tttttgtcaag	4380
168	cagcagatccat cgcgcggaaa aaaaggatctt caagaagatcc ttgttgcgtt ttctacgggg	4440
170	tctgacgttc agtggaaacga aaactcacgt taagggtttt tgggtcatgcc ataacttcgt	4500
172	atagcataca ttatcgaaatggcatg agattatcaa aaaggatctt cacctagatc	4560
174	cttttaattt aaaaatggaaatggatccat tttttttttt tttttttttt tttttttttt tttttttttt	4620
176	gacagttacc aatgtttttt cagtgaggca cctatctcgatcgatctgttcaatccgttca	4680

RAW SEQUENCE LISTING

DATE: 08/19/2004

PATENT APPLICATION: US/10/811,136B

TIME: 15:12:02

Input Set : A:\025CIP SEQ List ver3.txt

Output Set: N:\CRF4\08192004\J811136B.raw

178	tccatagttg	cctgactccc	cgtcgtag	ataactacga	tacgggaggg	cttaccatct	4740
180	ggccccagt	ctgcaatgat	accgcgagac	ccacgctcac	cggtccaga	tttatcagca	4800
182	ataaaaccagc	cagccggaag	ggccgagcgc	agaagtggtc	ctgcaactt	atccgcctcc	4860
184	atccagtcta	ttaattgttg	ccgggaagct	agagaagta	gttgcgcagt	taatagttt	4920
186	cgcaacgtt	ttgccattgc	tacaggcatc	gtgggtcac	gctcgctgtt	tggtatggct	4980
188	tcattcagct	ccggttccca	acgatcaagg	cgagttacat	gatccccat	gttgtgcaaa	5040
190	aaagcggta	gctccttcgg	tcctccgatc	gttgtcagaa	gtaagttggc	cgcagtgtta	5100
192	tcactcatgg	ttatggcagc	actgcataat	tctcttactg	tcatgccatc	cgtaagatgc	5160
194	ttttctgtga	ctggtagata	ctcaaccaag	tcattctgag	aatagtgtat	gcggcgaccg	5220
196	agttgctt	gccccggcgtc	aatacgggat	aataccgcgc	cacatagcag	aactttaaaa	5280
198	gtgctcatca	ttggaaaacg	ttcttcgggg	cgaaaactct	caaggatctt	accgctttt	5340
200	agatccagtt	cgatgttaacc	cactcgtgca	cccaactgtat	cttcagcatc	ttttactttc	5400
202	accagcgtt	ctgggtgagc	aaaaacagga	aggcaaaatg	ccgcaaaaaaa	gggataaagg	5460
204	gcgacacgga	aatgttgaat	actcatactc	ttcctttttc	aatattattt	aagcattttat	5520
206	cagggttatt	gtctcatgcc	aggggtggc	acacatattt	gataccagcg	atccctacac	5580
208	agcacataat	tcaatgcgac	ttccctctat	cgcacatctt	agacctttat	tctccctcca	5640
210	gcacacatcg	aagctgccga	gcaagccgtt	ctcaccagtc	caagacctgg	catgagcgga	5700
212	tacatattt	aatgttattt	aaaaataaaa	caaatacggg	ttccgcgcac	atttccccga	5760
214	aaagtccac	ctgaaattt	aaacgttaat	atttgtttaa	aattcgcgtt	aaatttttgt	5820
216	taaatcagct	cattttttaa	ccaataggcc	gaaatcggtca	aaatccctta	taaatcaaaa	5880
218	gaatagaccg	agatagggtt	gagttgtt	ccagtttgg	acaagagtc	actattaaag	5940
220	aacgtggact	ccaacgtcaa	agggcgaaaa	accgtctatc	agggcgatgg	cccaactacgt	6000
222	gaaccatcac	cctaatcaag	tttttgggg	tcgaggtgcc	gtaaagcact	aaatcggaac	6060
224	cctaaaggga	gcccccgatt	tagagcttga	cggggaaagc	cggcaacgt	ggcgagaaag	6120
226	gaagggaaga	aagcgaaagg	agcggcgct	agggcgctgg	caagtgtac	ggtcacgctg	6180
228	cgcgttaacca	ccacacccgc	cgcgttaat	gcccgcgtac	agggcgcg	cg	6230
231	<210>	SEQ ID NO:	2				
232	<211>	LENGTH:	5982				
233	<212>	TYPE:	DNA				
234	<213>	ORGANISM:	Artificial Sequence				
236	<220>	FEATURE:					
237	<223>	OTHER INFORMATION:	Plasmid pCMV-luc-attB				
239	<400>	SEQUENCE:	2				
240	ctctatcgat	aggttacggag	ctcttacgcg	tgcttagccct	cgagcaggat	ctatacattg	60
242	aatcaatatt	ggcaatttagc	catattagtc	attggttata	tagcataaaat	caatattggc	120
244	tattggccat	tgcatacgtt	gtatctat	cataatatgt	acatttataat	tggctcatgt	180
246	ccaatatgac	cgcgcgtt	acattgatta	ttgacttagt	attaatagta	atcaattacg	240
248	gggtcattag	tcatagccc	atatatggag	ttccgcgtt	cataacttac	ggtaaatggc	300
250	ccgcctggct	gaccgcggaa	cgaccccccgc	ccattgacgt	caataatgac	gtatgttccc	360
252	atagtaacgc	caataggac	tttccattga	cgtcaatgg	tggagtattt	acggtaaact	420
254	gcccacttgg	cgtacatca	agtgtatcat	atgccaagt	cgccccctat	tgacgtcaat	480
256	gacggtaaat	ggccgcctg	gcattatgcc	cgtacatga	ccttacggga	cttcctact	540
258	tggcagtaca	tctacgtatt	agtcatcgct	attaccatgg	tgtatgcgg	ttggcag	600
260	atcaatgggc	gtggatagcg	gtttgactca	cggggatttc	caagtctca	ccccattgac	660
262	gtcaatggga	gtttgtttt	gcacccaaat	caacgggact	ttccaaaatg	tcgtaaacaac	720
264	tccgcggccat	tgacgcaaat	gggcggtagg	cgtgtacggt	gggaggtcta	tataagcaga	780
266	gctcggttag	tgaaccgtca	gatgcctgg	agacgccatc	cacgtgttt	tgacctccat	840
268	agaagacacc	gggaccgatc	cgcgttcccc	tcgaagctcg	actctagggg	ctcgagatct	900
270	cgatctaag	taagcttggc	attccggtaat	gttgtgtaaa	gccaccatgg	aagacgcca	960

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/811,136B

DATE: 08/19/2004
TIME: 15:12:02

Input Set : A:\025CIP SEQ List ver3.txt
Output Set: N:\CRF4\08192004\J811136B.raw

272	aaacataaaag	aaaggccccg	cggcattcta	tccgctggaa	gatggaaaccg	ctggagagca	1020
274	actgcataag	gctatgaaga	gatacgcct	ggttcctgga	acaattgctt	ttacagatgc	1080
276	acatatcgag	gtggacatca	cttacgctga	gtacttcgaa	atgtccgttc	gttggcaga	1140
278	agctatgaaa	cgatatgggc	tgaatacaaa	tcacagaatc	gtcgtatgca	gtgaaaactc	1200
280	tcttcaattc	tttatgccgg	tgttggcgc	gttattttatc	ggagttgcag	ttgcgccccgc	1260
282	gaacgacatt	tataatgaac	gtgaattgct	caacagtatg	ggcatttcgc	agcctaccgt	1320
284	ggtgtcgtt	tccaaaaagg	ggttgcaaaa	aatttgaac	gtgcaaaaaaa	agctcccaat	1380
286	catccaaaaa	attattatca	tggattctaa	aacggattac	cagggatttc	agtcgatgta	1440
288	cacgttcgtc	acatctcata	taccccccgg	tttaatgaa	tacgattttg	tgccagagtc	1500
290	cttcgatagg	gacaagacaa	ttgcactgat	catgaactcc	tctggatcta	ctggctcgcc	1560
292	taaagggtgc	gctctgcctc	atagaactgc	ctgcgtgaga	ttctcgcata	ccagagatcc	1620
294	tatttttggc	aatcaaatac	ttccggatac	tgcgattttt	agtgttgcgc	cattccatca	1680
296	cggttttgg	atgtttacta	cactcggata	tttgatatgt	ggatttcgag	tcgtcttaat	1740
298	gtatagattt	gaagaagacg	tgttctgag	gagccttcag	gattacaaga	ttcaaagtgc	1800
300	gctgctgggt	ccaaaccctat	tctccttctt	cgcacaaagc	actctgattt	acaaatacga	1860
302	tttatctaatt	ttacacgaaa	ttgcttctgg	tggcgctccc	ctctctaagg	aagtccggga	1920
304	agcgggtgcc	aagagggtcc	atctgccagg	tatcaggcua	ggatatggc	tcactgagac	1980
306	tacatcagct	attctgatta	cacccgaggg	ggatgataaa	ccggcgccgg	tcggtaaagt	2040
308	tgttccattt	tttgaagcga	aggttgcgg	tctggatacc	gggaaaacgc	ttggcgtaa	2100
310	tcaaagaggc	gaactgtgt	tgagaggtcc	tatgattatg	tccggttatg	taaacaatcc	2160
312	ggaagcggacc	aacgccttga	ttgacaagga	tggatggcta	cattctggag	acatagctta	2220
314	ctgggacgaa	gacgaacact	tcttcatcgt	tgaccgcctg	aagtctctga	ttaagtacaa	2280
316	aggctatcag	gtggctcccg	ctgaatttga	atccatcttgc	ctccaaacacc	ccaaacatctt	2340
318	cgacgcagg	gtcgcagg	ttccgcacg	tgacgcgg	gaacttcccg	ccgcccgttgt	2400
320	tgttttggag	cacggaaaga	cgatgacgga	aaaagagatc	gtggattacg	tcgcccgtca	2460
322	agtaacaacc	gogaaaaaaat	tgcgcggagg	agttgtgtt	gtggacgaaag	tacggaaagg	2520
324	tcttaccgga	aaactcgcac	caagaaaaat	cagagagatc	ctcataaaagg	ccaagaagg	2580
326	cggaaagatc	gcccgtgtat	tctagagtcg	gggcggccgg	ccgcttcgag	cagacatgtat	2640
328	aagatacatt	gttgatgttgc	gacaaaccac	aactagaatg	cagtaaaaaa	aatgtttat	2700
330	tttgtaaattt	tgtgtatgcta	ttgcttattt	tgttaaccatt	ataagctgca	ataaaacaagt	2760
332	taacaacaac	aattgcatttc	attttatgtt	tcaaggttcag	ggggaggtgt	gggaggttt	2820
334	ttaaagcaag	taaaacctct	acaaatgtgg	taaaatcgat	aaggatcaat	tcggcttcag	2880
336	gtaccgtcga	cgatgttaggt	cacggctcg	aagccgcgg	gcgggtgcca	gggcgtgccc	2940
338	ttgggctccc	cggcgccgt	ctccacact	cccatctgg	ccatcatgat	gaacgggtcg	3000
340	aggtgggggt	agttgatccc	ggcgaacgcg	ccgcgcacc	ggaagccctc	gccctcgaaa	3060
342	ccgctggcg	ccgtggcgtac	ggtgagcacc	ggacgtgcga	ccgcgtggc	gggtgcggat	3120
344	acgcggggca	gctgtcgcgg	gttctcgacg	gtcacggcgg	gcatgtcgac	agccgaattt	3180
346	atccgtcgac	cgatgcctt	gagggcttc	aacccagtca	gctccctccg	gtgggccccgg	3240
348	ggcatgacta	tgcgcgcgc	actttatgact	gtcttcttta	tcatgcaact	cgtaggacag	3300
350	gtccggcag	cgctcttccg	cttcctcgct	cactgactcg	ctgcgcctcg	tcgttccggct	3360
352	gccccggcgc	gtatcagctc	actcaaaggc	ggtataacgg	ttatccacag	aatcaggga	3420
354	taacgcagga	aagaacatgt	gacaaaagg	ccagcaaaag	gccaggaacc	gtaaaaaggc	3480
356	cgcgttgcgt	gctttttcc	ataggtccg	ccccctcgac	gagcatcaca	aaaatcgacg	3540
358	ctcaagtctc	aggtggcga	acccgacagg	actataaaga	taccaggcgt	ttccccctgg	3600
360	aagctccctc	gtgcgtctc	ctgttccgac	cctgcgcgtt	accggatacc	tgtccgcctt	3660
362	tctcccttcg	ggaagcgtgg	cgcttctca	atgctcacgc	tgttaggtatc	tcagttcgtt	3720
364	gtaggtcggtt	cgttccaacg	tggcgtgtgt	gcacgaaccc	cccgctcagc	ccgaccgcgt	3780
366	cgccttatacc	ggttaactatc	gttttgcgt	caaccccgta	agacacgact	tatcgccact	3840
368	ggcagcagcc	actggtaaca	ggattagcag	agcgaggtat	gtaggcggtg	ctacagatgt	3900

RAW SEQUENCE LISTING

DATE: 08/19/2004

PATENT APPLICATION: US/10/811,136B

TIME: 15:12:02

Input Set : A:\025CIP SEQ List ver3.txt

Output Set: N:\CRF4\08192004\J811136B.raw

370	cttgaagtgg	tggcctaact	acggctacac	tagaaggaca	gtatggta	tctgcgtct	3960
372	gctgaagcca	gttaccttcg	aaaaaagagt	ttgttagctct	tgatccggca	aacaaccac	4020
374	cgtctggtagc	ggtggttttt	ttgttgcaa	gcagcagatt	acgcgcagaa	aaaaaggatc	4080
376	tcaagaagat	cctttgatct	tttctacggg	gtctgacgct	cagtggAACG	aaaactcacg	4140
378	ttaagggatt	tttgtcatga	gattatcaa	aaggatctc	accttagatcc	ttttaaatta	4200
380	aaaatgaagt	tttaaatcaa	tctaaagtat	atatgagtaa	acttggctcg	acagttacca	4260
382	atgcttaatc	agtgaggcac	ctatctcagc	gatctgtcta	tttcgttcat	ccatagttgc	4320
384	ctgactcccc	gtcgtttaga	taactacgt	acgggagggc	ttaccatctg	gccccagtgc	4380
386	tgcaatgata	ccgcgagacc	cacgctcacc	ggctccagat	ttatcagcaa	taaaccagcc	4440
388	agccggaagg	gccgagcgca	gaagtggtcc	tgcaacttta	tccgcctcca	tccagtttat	4500
390	taattgtgc	cgggaagcta	gagtaagttag	ttcgccagtt	aatagttgc	gcaacgttgt	4560
392	tgccattgtct	acaggcatcg	tgggtcaccg	ctcgtcgctt	ggtatggctt	cattcagctc	4620
394	cgttcccaa	cgtcaaggc	gagttacatg	atccccatg	ttgtgcaaaa	aagcggttag	4680
396	ctccctcggt	cctccgatcg	ttgtcagaag	taagttggcc	gcagtgttat	cactcatgg	4740
398	tatggcagca	ctgcataatt	ctcttactgt	catgccatcc	gtaagatgct	tttctgtgac	4800
400	tggtgagtac	tcaaccaagt	cattctgaga	atagtgtatg	cggcgaccga	gttgctcttg	4860
402	cccgccgtca	atacgggata	ataccgcgc	acatagcaga	acttaaaag	tgctcatcat	4920
404	tggaaaacgt	tcttcgggc	gaaaactctc	aaggatctta	ccgtgttga	gatccagttc	4980
406	gatgtAACCC	actcgtgcac	ccaaactgatc	ttcagcatct	tttactttca	ccagcgtttc	5040
408	tgggtgagca	aaaacagggaa	ggcaaaatgc	cgcaaaaaag	ggaataaggg	cgacacggaa	5100
410	atgtgaata	ctcatactct	tccttttca	atattattga	agcatttac	agggttattg	5160
412	tctcatgagc	ggatacatat	ttgaatgtat	tttagaaaaat	aaacaaatag	gggttcccg	5220
414	cacatttccc	cgaaaagtgc	cacctgacgc	gcccgttagc	ggcgcattaa	gcccggcggg	5280
416	tgtgggtgtt	acgcgcagcg	tgaccgctac	acttgcacgc	gcccctagcgc	ccgctccctt	5340
418	cgtttcttc	ccttccttc	tcgcccacgtt	cgccggctt	ccccgtcaag	ctctaaatcg	5400
420	ggggccccct	ttagggttcc	gatttagtgc	tttacggcac	ctcgacccca	aaaaacttga	5460
422	ttagggtgat	gtttcacgt	gtggccatc	gcccgtatag	acggtttttc	gcccttgac	5520
424	gttggagtcc	acgttcttta	atagtggact	ttgttccaa	acttggacaa	cactcaaccc	5580
426	tatctcggtc	tatttttttgc	atttataagg	gattttggcg	atttgcgcct	attggtaaa	5640
428	aatagactg	atttaaacaaa	aatttaacgc	gaattttaaac	aaaatattaa	cgtttacaat	5700
430	ttcccatcg	ccattcaggc	tgcgcaactg	ttgggaaggg	cgatcggtgc	gggcctcttc	5760
432	gctattacgc	cagcccaagc	taccatgata	agtaagtaat	attaaggatc	gggaggtaact	5820
434	tggagcgcc	gcaataaaaat	atcttattt	tcattacatc	tgtgtgttgg	ttttttgtgt	5880
436	gaatcgatag	tactaacata	cgctctccat	caaaacaaaaa	cgaaacaaaaa	caaactagca	5940
438	aaataggctg	tccccagtc	aagtgcaggt	gccagaacat	tt		5982
441	<210>	SEQ ID NO:	3				
442	<211>	LENGTH:	5924				
443	<212>	TYPE:	DNA				
444	<213>	ORGANISM:	Artificial Sequence				
446	<220>	FEATURE:					
447	<223>	OTHER INFORMATION:	Plasmid pCMV-luc-attP				
449	<400>	SEQUENCE:	3				
450	ctctatcgat	aggtaaccgg	ctcttacgcg	tgctagccct	cgagcaggat	ctatacattg	60
452	aatcaatatt	ggcaatttagc	catatttagtc	attggttata	tagcataaaat	caatattggc	120
454	tattggccat	tgcatacggt	gtatctatata	cataatatgt	acatttatata	tggctcatgt	180
456	ccaaatatgac	cgcgcgttgc	acattgatttgc	ttgacttagt	attaatagta	atcaattacg	240
458	gggtcattag	ttcatagcccc	atatatggag	ttccgcgtt	cataacttac	ggttaatggc	300
460	ccgcctggct	gaccgc	cgaccccccgc	ccattgcacgt	caataatgac	gtatgttccc	360
462	atagtaacgc	caataggac	tttccattga	cgtcaatggg	tggagtattt	acggtaaact	420

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/811,136B

DATE: 08/19/2004

TIME: 15:12:03

Input Set : A:\025CIP SEQ List ver3.txt

Output Set: N:\CRF4\08192004\J811136B.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date